

DONTSOV, K.M.; ISTOMIN, A.Z.

Various methods for processing the indicator curves of wells
exploiting fractured reservoir rocks; a topic for discussion.
Nefst. khoz. 43 no.2:51-54 F '65. (MIRA 13:4)

REZUKHINA, T.N.; LEVITSKIY, V.A.; ISTOMIN, B.A.

Thermodynamic properties of iron chromite determined from
electrochemical measurements. *Elektrokhimiya* 1 no.4:467-471
Ap '65. (MIRA 18:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ACCESSION NR: AP4040739

S/0050/64/000/006/0046/0048

AUTHOR: Darbenav, B. S.; Istomin, B. P.

TITLE: Accuracy of wind measurements by means of the "Meteor" probe

SOURCE: Meteorologiya i gidrologiya, no. 6, 1964, 46-48

TOPIC TAGS: meteorology, wind measurement, balloon probe, meteorological instrument, "Meteor" wind probe, Malakhit theodolite

ABSTRACT: Results of tests to determine the accuracy of wind direction and velocity measurements made with the "Meteor" balloon-borne wind probe in combination with the "Malakhit" meteorological theodolite are reported. Data obtained from 94 ascents made at 2- and 4-hour intervals were analyzed for two levels (1-12 km and 12 km and above), with the following results: 1) with increasing wind velocity the mean square error in wind direction decreases, especially in the range between 5 and 30 m/sec; 2) at altitudes of from 1 to 12 km and at wind velocities of up to 15 m/sec, the mean square error is 4° less than at altitudes above 12 km; and 3) with increasing wind velocity the error in velocity measurements increases: at 55-60 m/sec, the error

Card 1/2

ACCESSION NR: AP4040739

is three times greater than at 5—10 m/sec. These errors are described as inherent in balloon-borne measurements. Orig. art. has: 2 figures and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: ES

ATD PRESS: 3042

NO REF SOV: 002

ENCL: 00

OTHER: 000

Card 2/2

DERBENOV, B.S.; ISTOMIN, B.P.

Accuracy in the determination of the wind by the radiometeo-
rological station "Meteor". Meteor. i gidrol. no. 6:46-48
Je '64 (MIRA 17:8)

ACC NR: ARG018978

SOURCE CODE: UR/0271/66/000/002/B057/B057

AUTHOR: Bochkov, G. T.; Istomin, D. A.; Tsitovich, A. P.

TITLE: Parallel static memory system of a 2048-channel analyzer based on a magnetic drum

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 2B413

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T. 2., M., Atomizdat, 1965, 82-92

TOPIC TAGS: magnetic drum, electromagnetic memory, pulse height analyzer

TRANSLATION: The analyzer contains a drum with 2048 channels. The design of the drum, which has 13 dual heads which provide these with a capacity of 2^{13} (8192 pulses) is described. The control system generates the main pulse trains: clock pulses, phasing, writing and reading. The logic system is based on a binary counter which functions as a parallel register and accumulator. The system controls the data output: in analog form on a CRT screen, in analog form on a recorder, in binary form on punched cards, and in decimal form on tape. 4 figures. V. L.

SUB CODE: 09

UDC: 681.142.343

Card 1/1

L 35373-66 EWT(d)/EWP(1) IJP(c) BB/GG SOURCE CODE: UR/0058/66/000/001/AO43/AO43
ACC NR: AR6017789

55
B

AUTHOR: Bochkov, G. T.; Istomin, D. A.; Tsitovich, A. P.

TITLE: Parallel static memory device for 2048-channel magnetic-drum analyzer

SOURCE: Ref. zh. Fizika, Abs. 1A392 100

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T. 2. M., Atomizdat, 1965, 85-92

TOPIC TAGS: time measurement, magnetic drum, pulse amplitude, computer logic, logic circuit, multichannel analyzer, data readout, computer circuit

ABSTRACT: The proposed device is intended for time and time-amplitude measurements. The 2048 channels are "disposed" over the generatrix of the drum. The construction is described of a magnetic drum with thirteen double heads, which ensures a channel capacity $2^{13} = 8192$ pulses and static operating conditions. The control circuit generates the principal series of timing pulses: gating, phasing, recording, and clearing. The logic circuit is based on a binary scaling circuit which performs the functions of a parallel register and an adder. The construction ensures readout of information in analog form on the screen of a monitor tube, in analog form in the form of a curve traced by an automatic recorder, and binary form on punched cards, and in decimal form on a chart. [Translation of abstract]

SUB CODE: 09, 20

Card 1/1 *F.H.*

ACCESSION NR: AR4014746

S/0058/63/000/012/A020/A020

SOURCE: RZh. Fizika, Abs. 12A202

AUTHOR: Tsitovich, A. P.; Bochkov, G. T.; Istomin, D. A.; Sotnikov,
S. K.

TITLE: 2048-channel time analyzer

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radio-
elektronike. T. 2, Ch. 2. M., Gosatomizdat, 1963, 72-95

TOPIC TAGS: analyzer, time analyzer, 2048 channel analyzer, drum
memory analyzer, multichannel time analyzer, nuclear instrumentation

TRANSLATION: A 2048-channel time analyzer with magnetic drum memory
is described. The magnetic drum is superior to other memory devices
in that it uses fewer control elements. However, the magnetic drum
is a relatively "slow" memory unit. In this connection, the mag-

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ACCESSION NR: AR4014746

netic drum is used only to store the total information coming from the input unit of the intermediate memory. To this end, an electrostatic storage-tube memory is used, which has a much larger capacity compared with other systems. The analyzer employs a new method of matching the intermediate and main memory units. The advantages and shortcomings of such an analyzer are analyzed in detail. The question of further increase in the number of channels in a time analyzer of this type is discussed. L. S.

DATE ACQ: 24Jan64

SUB CODE: PH, SD

ENCL: 00

Card, 2/2

LUK'YANOV, V.V., inzh. (Noril'sk); ISTOMIN, D.M., inzh. (Noril'sk)

Network for the semiautomatic control of continuous scavenging
of a boiler. Energetik 13 no. 12:17-18 D '65 (NIRA 19:1)

ISTOMIN, F.

Brief news. Shakht. stroi. 8 no.7:32 JI '64. (MIRA 17:10)

1. Upravlyayushchiy trestom Luganskshakhtoprochodka.

ISTOMIN, G.A.

Instructions for Topographic Surveys on Scale 1:10,000; Stereotopographic
and Combined Surveys. GUOK (1931)

ISTOMIN. G.A.

Instructions for the survey of Cities. Geodezizdat, Moscow (1940)

ISTOMAN, G. A.

Technique of Calculating Exposures in Aerial Surveying. Sborn. nauch.
tekh. i proiz. Stsey. No.15. Geodezizdat (1947)

ISTOMIN, I. A.

"The Methodology of Exponential Calculations in Aerial Survey", Collection
of Papers on Science, Technology and Practice by the Main Administration of
Geodesy and Cartography, No. 15, Geodezizdat, M., 1947.

ISTOMIN, G. A.

Author: Istomin, G. A.

Title: The elements of serial photographic theory. (Elementy teorii aerofotografii.)
211 pages.

City: Moscow

Publisher:

Publication: Printing House of the VVIA named in honor of professor N. E. Zhukovskii

Date: 1949

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 2, Page 98

ISTOMIN, G.A.

Fotografiya i Aerofotografiya (Photography and Aerial Photography), by Docent V. Ya. Mikhaylov, with the assistance of Candidate of Technical Sciences V. I. Sheberstov and Candidate of Technical Sciences G. A. Istomin, Geodezizdat, Moscow, 1952, 372 pp

Presents the elements of photography, sensitometry, and aerial photography. It is suitable as a text for courses in photography and aerial photography given in aerogeodetic institutes.

The book represents a course presented by the author in the Moscow Institute of Engineers of Geodesy, Aerial Photography, and Cartography for students of the aerophotographic-geodetic department.

Covered in the text are the opticommechanical elements of photography, photochemistry, the photosensitivity of materials, information on the quality of photographic materials, aerial photography, ground photography, photocopying, the theory and practice of negative and positive processing, and the elements of color photography. Great coverage and detail are given to aerial photography and negative processing.

54M.130.5

ISTOMIN, G. A.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Photography

Reproduction of micro- and macrodetails by photographic
emulsion. G. A. Istomin. Doklady Akad. Nauk S.S.S.R.
82, 897-900 (1954)

① Photo

Enrique Mayate

[Handwritten signature]
5/13/54

231198

ISTOMIN, G. A.

USSR/Physics - Optics

11 May 52

Resolving Capacity of Photographic Layers and Resolving Strength of the Eye for Small Values of Contrast," G. A. Istomin

"Dok Ak Nauk SSSR" Vol 84, No 2, pp 273-275

Article states that, according to existing procedures, measurements of the resolving capacity of photographic layers are performed with test objects whose contrast practically equals unity. Discusses various expressions used to designate contrast and resolving capacity.

231198

Acknowledges the cooperation of G. S. Baranov and advice of K. V. Chibisov, Corr Mem, Acad Sci USSR. Submitted by Acad A. N. Terenin 24 Mar 52.

231198

U.S.S.R.

4170. Resolving power of the photographic system at small contrast values. G. A. Yarovoy. Dokl. Akad. Nauk SSSR, 85, No. 3, 1007-1011 (1951) in Russian.

For previous work see Dokl. Akad. Nauk SSSR, 84, No. 2, 273-6 (1950). Presents 3 empirical formulae, one of which was derived by L. P. Moroz (1951), for the evaluation of the resultant resolving power of the photographic system (with and without the system negative-emulsion/positive-emulsion, particularly in the contact-printing process). The graphs included show (1) the graphical method of determining the resultant resolving power (R_r), (2) variation of R_r of the photographic system with the factor of contrast of the test object, and (3) the shape of the R_r curve for different conditions. F. L. CHISMAN

minimizing the resultant streaking caused by (2) the
illumination of the photoreceptor system with an
of contrast of the test object, and (3) the shape of the
R_p curve for different conditions. F. L. LEVIN

was

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ISTOMIN, G.A.

Reproduction of minute and large details with photosensitive salts.
Usp.nauch.fot.no.4:17-22 '55. (MLRA 9:4)
(Photographic chemicals)

ISTOMIN, G.A.

Comparative evaluation of various photosensitivity criteria for
photographic materials in solving the exposure problem. Usp.nauch.
fot. no.4:23-28 '55. (MIRA 9:4)
(Photographic sensitometry) (Photography--Exposure)

ISTOMIN, G.A.

"Physical aspects of air photography [in English]." G.C.Brock.
Reviewed by G.A.Istomin. Zhur.nauch. i prikl. fot. i kin. 1 no.3:
239-240 My-Je '56. (Photography, Aerial) (MLRA 9:9)

ISTOMIN, G.A.

"Advances in scientific photography." Vol.3. Reviewed by G.A. Istomin.
Zhur.nauch.i prikl.fot.i kin.1 no.1:78-79 Jan '56. (MIRA 9:10)
(Photography-Scientific applications)

ISTOMIN, G.A.

"Properties of photographic materials on a transparent base; sensitive manual edited by I.U.N. Gorekhovskii and S.S. Gilev." Reviewed by G.A. Istomin. Zhur.nauch. i prikl. fot. i kin. I no.2:158-159'56.

(MIRA 9:10)

(Gorekhovskii, S.S.) (Photography--Film) (Gilev, S.S.)

ISTOMIN, G. A.

KOLOSOV, K.A.; ~~ISTOMIN, G.A.~~

Modern superminiature cameras. Zhur.nauch. i prikl. fot. i kin. 2
no.1:72-75 Ja-F '57. (MIRA 10:3)
(Cameras)

ISTOMIN, G.A.

ISTOMIN, G.A.

All-Union Interdepartmental Conference on Aerial Photography.

Zhur.nauch.i prikl.fot.i kin. 2 no.2:153-154 Mr-Ap '57.

(MLRA 10:5)

(Photography, Aerial)

ISTOMIN G. A.

~~ISTOMIN, G.A.~~

International conference for the coordination of scientific research
in the production of processing of cinematographic and photographic
materials on the part of the Soviet Union, the German Democratic
Republic, and Czechoslovakia. Zhur. nauch. i prikl. fot. i kin. 2
no. 5:400 3-0 '57. (MIRA 10:11)

(Moscow--Photography--Congresses)
(Moscow--Cinematography--Congresses)

AUTHOR: Istomin, G.A. SOV 77-3-4-6/23

TITLE: The Minimum Gradient of a Photographic Film Corresponding to the Resolution of a Given Visual Requirement (O minimal'nom gradiyente fotograficheskogo sloya, sootvetstvuyushchem resheniyu zadannoy zritel'noy zadachi)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, Vol 3, Nr 4, pp 271-274 (USSR)

ABSTRACT: The author deals with the factors which affect the minimum gradient value of a photographic film needed to obtain visual perception of a photographic image. Such factors are: the size and shape of the detail to be perceived in the image, the development time, the nature and composition of the developer, the spectral composition of the light. Lengthening the development time increases the minimum gradient value required. Developers with anti-fog additives lower the value required. There are 7 graphs and 9 references, 5 of which are Soviet and 4 American.

Card 1/2

SOV 77-3-4-6/23

The Minimum Gradient of a Photographic Film Corresponding to the Resolution of a Given Visual Requirement

ASSOCIATION: Komissiya po nauchnoy fotografii i kinematografii AN SSSR (The Commission for Scientific Photography and Cinematography of AS, USSR)

SUBMITTED: January 21, 1957

1. Photographic film--Properties
2. Photographic film--Effectiveness
3. Photographic film--Processing

Card 2/2

AUTHORS: Istomin, G.A., Sheberstov, V.I.

SOV/77-3-6-10/15

TITLE: An Investigation of the Possibility of Increasing the Photographic Sensitivity in the Process of Development Without a Lowering of the Quality of the Image (Issledovaniye vozmozhnosti uvelicheniya fotograficheskoy chuvstvitel'nosti v protsesse proyavleniya bez snizheniya kachestva izobrazheniya)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, Vol 3, Nr 6, pp 450-451 (USSR)

ABSTRACT: The authors investigated developers that intensify the developing process. Hydrazine was found to deteriorate the quality of the image. A developer containing a very small concentration of developing substance, and having a high alkalinity instead, was found to produce the best results. A developer named MF, the composition of which was taken from a Hungarian photo journal, was applied to Soviet negative MZ film and the results were tabulated (Table 1). The quality of the image, checked by the finest details, was not impaired. The "MF" developer was composed of 4 grams of metal, 100 grams of anhydrous sodium sulfite, 80 grams of triderivative crystalline sodium phosphate, 16 grams of sodium chloride, 2 milliliters of potassium bromide (10 % solution), and up

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SOV/77-3-6-10/15

An Investigation of the Possibility of Increasing the Photographic Sensitivity in the Process of Development Without a Lowering of the Quality of the Image

to 1 liter of water. The developer was used in dilutions ranging from 1 : 5 to 1 : 20. There is 1 table and 6 references, 3 of which are Soviet, 2 American and 1 Hungarian.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (The All-Union Scientific Research Institute for Motion Pictures and Photography)

SUBMITTED: August 25, 1958

Card 2/2

ISTOMIN, G.A.

Contrast functions of aberration-free lenses and properties of the system: actual lens - light-sensitive layer. Zhur.nauch.i prikl. fot.i kin. 5 no.2:146-147 Mr-Ap '60. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy kino-fotoinstitut (NIKFI).
(Photographic optics)

ACCESSION NR: AP4013974

S/0077/64/009/001/0057/0059

AUTHORS: Gribakin, G. G.; Istomin, G. A.

TITLE: Basic factors determining the resolving power of photographic materials

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 9, no. 1, 1964, 57-59

TOPIC TAGS: resolving power, photographic material, contrast degree, emulsion layer, optical density

ABSTRACT: A set of 40 films of various characteristics and applications has been studied experimentally and data obtained on their resolving power. The various parameters measured include the degree of contrast χ , diffused scattering parameter of light in the emulsion layer k_1 , and the granular texture. An empirical law is derived from the accumulated data for R expressed by

$$R = \frac{1200 \sqrt{\chi}}{k_1 \sqrt{\sigma_D}}$$

where σ_D - root/mean square fluctuation in optical density. "The authors acknowledge the help of I. G. Abidina, Z. L. Petrushkina, I. I. Braydo, L. N. Arbuskina,

Card 1/2

ACCESSION NR: AP4013974

and A. M. Yashayeva." Orig. art. has: 3 formulas and 3 figures.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI) (All-Union Scientific Research in Cinematography)

SUBMITTED: 04Sep63

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: PG

NO REF SOV: 003

OTHER: 005

Card 2/2

ISTOMIN, G.A.

Objective criterion of the information power; author's abstract. Usp.
nauch.fot. 10:75-76 '64. (MIRA 17:10)

ISTOMIN, G.A.; ABIDINA, I.G.; PETRUSHKINA, Z.I.

Contrast function of black-and-white and color photographic materials
and sharpness of the image; authors' abstract. Usp.nauch.fot. 10:77-78
'64. (MIRA 17:10)

GRIBAKIN, G.G.; ISTOMIN, G.A.; PETRUSHKINA, Z.I.

Comparing the various methods for the rating of light diffusion and reflection in the emulsion layer; authors' abstract. Usp.nauch.fot. 10:219-220 '64. (MIRA 17:10)

ISTOMIN, G.A.

Photographic diffusometry method and its application in evaluating the film definition. Part 1: Contrast function, its measurement and analysis. Zhur. nauch. i prikl. fot. i kin. 10 no.5:378-390 S-0 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI) i Komissiya po khimii fotograficheskikh protsessov AN SSSR.

ISTOMIN, G.A.; ABIDINA, I.G.

Effect of the developing process on the photographic sensitivity
and sharpness of the image. Zhur.nauch.i prikl.fot. i kin. 10
no.3:206-216 My-Je '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut.

ISTOMIN, G.I.; NEMCHING, G.P.

Lathe for making bimetallic bushings using cast iron base. Rats. 1
izobr. predl. v stroi. no.103:16-20 '54. (MIRA 8:11)
(Lathes)

Istomin, G.I.

100-7-3/11

AUTHORS: Barch, I.Z., Istomin, G.I. and Kutovoy, E.M. Engineers.

TITLE: Expedient Assembly and Dismantling of Building Tower
Cranes (Skorostnoy montazh i demontazh stroitel'nykh
bashennykh kranov)

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1957, Vol.14, No.7,
pp. 10 - 14 (USSR).

ABSTRACT: The YuzhNII Research Institute for Standards, which is attached to the Trusts of Zaporozhstroy, Krivbassrudstroy, Magnitostroy, etc. recently investigated the assembly and dismantling operations of the crane KCM-5. Certain assembly operations were found to require 79.6 man-hours, i.e. 49.2% of the total assembly time. The corresponding dismantling operations take 43.8 man-hours, i.e. 43% of the total dismantling time. Engineer G.I. Istomin designed an assembly mast (viz. Fig.1) which reduces considerably these periods. Specifications of the assembly mast are given. The mast has a winch which is incorporated in the former (built into the mast). The hoisting mechanism is shown in Fig.2. The HT-51 control mechanism is used. These assembly masts have been used by the building organisations in Khar'kov and the Voroshilov Trust for the assembly and dismantling of the cranes KCM-5, CK-1 and T-128. Fig. 3 shows the assembly, dismantling and transportation

Card 1/2

100-7-3/11

Expedient Assembly and Dismantling of Building Tower Cranes

of the 6KCM-5 crane whilst using the above described mast. A cable is fixed to the lever of the hoisting arm of the crane. This is done to prevent any movement of the winch as the electromagnetic brake KMT-101 cannot operate when the winch is in an inclined position. The lowered crane is loaded on the ЗИЛ-150 lorry which has a trailer attached to it. Fig. 4 shows the assembly of the crane. Comparative data for the periods of assembly and dismantling by the old and by the new method are given in a table on p.14. This method of assembly can also be used for the 6K-1 and T-128 cranes. It has been shown that the assembly mast can be used for the following cranes: 6KCM-5, 6K-1, T-128, T-178, 6K-2, 6KCM-2 and T-189. When cranes of up to 5 tons capacity are assembled or dismantled, a 4-cable pulley instead of a 2-cable pulley should be used. Light cranes (capacity 1-2 tons) can be assembled by using the winch attached to the crane. It was shown that the mast can be constructed from lighter sections when used in conjunction with the 6KCM-5 and 6K-1 cranes. There are 4 figures and 1 table.

AVAILABLE: Library of Congress
 Card 2/2

- 1. Cranes-Handling
- 2. Cranes-Operation
- 3. Construction-Equipment

ISTOMIN, G. P.

Automatic job cranes

Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952 262 p. (53-22849)

TJ1363.I88

ISTOMIN, Georgiy Petrovich, inzh.; RESH, Fridrikh Frantsevich, inzh.;
FILIPPOV, V.V., inzh., retsazent; MELIKYEV, A.S., inzh., red.;
MATVEYEVA, Ye.N., tekhn.red.

[Cranes on rubber-tired wheels and railroad cranes] Pnevkokolesnye
zheleznodorozhnye kranyy. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit. lit-ry, 1958. 326 p. (MIRA 11:7)
(Cranes, derricks, etc.)

MARKOV, L. I.; ISTOMIN, G. V.; KRESTIN, G. I.; KESSEL', I. V.;
POLYANTSEV, V. A., red.

[Guzeripl' Logging Camp]Guzeripl'skii lespromkhoz. [n.p.]
TSentr. nauchno-issl. in-t mekhanizatsii i energetiki les-
noi promyshl. 1962. 5 p. (MIRA 16:4)
(Guzeripl' region--Lumbering)

ISTOMIN, I.I. et al

Instructions for Aerial Photosurveying for Cartographic Purposes (1946)
Edition

ISTOMIN, I., Col

pa 16/49T7

USSR/Aeronautics

Aug 46

Photography, Aerial
Mapping, Aerial

"Aerial Photography for Cartography Purposes," Col
I. Istomin, Guardist Capt Engr B. Kiyukov, 6 pp

"Vest Vozdush Flota" No 8. (354)

Treats subject under: (1) preparatory work,
allocation of areas to crews; (2) training of crews;
(3) some features of air photography of large areas;
(4) making the most of weather.

16/49T7

ISTOMIN, I.L., smennyy inzhener.

Using magnetic amplifiers to strengthen ringing current. Avton.telen.i
sviaz' no.8:22-23 Ag '57. (MLRA 10:8)

1. Lineyno-apparatnyy zal Sverdlovskoy distantsii signalizatsii i
svyazi Sverdlovskoy dorogi.
(Magnetic amplifiers)

ISTOMIN, I.P.

Device for measuring pulse currents and voltage. Vest. TSNII MPS
15 no.4:54-55 D '56. (MLRA 10:2)

1. Dorozhnaya laboratoriya signalizatsii, tsentralizatsii,
blokirovki i svyazi Severnoy zheleznoy dorogi.
(Railroads--Signaling--Block system)
(Electric measurements)

ISTOMIN, I.P.

Instrument for measuring the smoothing factor. Avtom., telem. i
sviaz' no.9:33-34 S '57. (MIRA 11:4)

I. Starshiy inzhener laboratorii signalizatsii i svyazi Severnoy
dorogi.

(Railroads--Electric equipment)

ISTOMIN, I.P.

A.C. high-resistance voltmeter. Avtom., telem. i svias' no.2:30 F '57.
(MIRA 10:4)

1. Nachal'nik laboratorii signalizatsii i svyazi Severnoy dorogi.
(Voltmeter)

ISTOMIN, I.P.

Portable oscillator equipped with crystal triodes. Aytan.,
tolen. i sviaz' 2 no.11:36 N '58. (MIRA 11:12)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Severney
derogi.

(Oscillators, Transister)

ISTOMIN, I.P.

Vacuum tube megger. Avtom., telem. i svyaz' 4 no. 2:40 F '60.

(MIRA 13:6)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Severnoy
dorogi.

(Ohmmeter)

ISTOMIN, I.P.

Volt-ampere meter for measuring pulsating voltages and currents.
Avtom., telem.i sviaz' 4 no.4:35-36 Ap '60. (MIRA 13:6)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Severnoy
dorogi.

(Voltmeter)

(Ammeter)

ISTOMIN, I.P., starshiy inzhener

Amplifying attachment. Avtom., telem. i svyaz'. 4 no.5:33-34 My
'60. (MIRA 13:8)

1. Laboratoriya signalizatsii i svyazi Severnoy dorogi.
(Railroads--Communication systems)
(Transistor amplifier)

ISTOMIN, I.P.

Locating the place of damage in coil-loaded cables. Avtom., telem.
i sviaz' 4 no.7:31-33 JI '60.. (MIRA 13:7)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Severnoy
dorogi.

(Electric cables)

ISTOMIN, I.P., starshiy inzh.

Amplifying attachment for a loud speaker system using telephone lines. Avtom., telem.i sviaz' 5 no.7:37-38 J1 '61.

(MIRA 14:10)

1. Laboratoriya signalizatsii i svyazi Severnoy dorogi.
(Railroads--Communication systems) (Telephone)

ISTOMIN, I.P., starshiy inzh.

Increase of the transition attenuation in the cable inserts of main communication lines. Avtom., telem.i svyaz' 6 no.5:33-35 My '62. (MIRA 15:4)

1. Laboratoriya signalizatsii svyazi Severnoy dorogi.
(Railroads--Electric equipment)

ISTOMIN, I. P., insh.

Device for checking dials. Avtom., telem. i svias' 7 no.1:33-34
Ja '63. (MIRA 16:2)

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Power supply for communication apparatus. Avtom., telem. i
sviaz' 8 no.6:44 Je '64. (MIRA 17:6)

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dorogi.

SIMIONOV, Yu.F.; ISTOMIN, I.S.

For a high quality of production. Mashinostroitel' no.6:
3-4 Je '61. (MIRA 14:6)
(Rostov-on-Don--Agricultural machinery industry)

ISTOMIN, I.V.

BURGOV, V.A.; ISTOMIN, I.V.

Ferrite magnetic heads. Trudy LIKI no.4:17-24 '56. (MIRA 10:5)

1.Kafedra srukotekhniki.

(Magnetic recorders and recording)

BURGOV, V.A.; ISTOMIN, I.V. [translator]; SHEYNEMAN, M.Kh. [translator];
EYSYMONT, L.O., red.; MALEK, Z.N., tekhn.red.

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translated materials] Kinotelevizionnaya tekhnika; sbornik
perevodnykh materialov. Moskva, Gos.izd-vo "Iskusstvo," 1959.
383 P. (MIRA 12:4)

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Results of seeding by airplane in Kirov Province. L. A. Istomin. Les. Khoz. 5,
No. 7, J1 1952.

9. Monthly List of Russian Accessions, Library of Congress, September ¹⁹⁵² ~~1953~~. Unclassified.

ISTOMIN, L.I., assist.

Economic aspects of using Estonian oil shales as fuel in steam
locomotives. Trudy VTI no.7:199-206 '57. (MIRA 11:5)
(Locomotives—Fuel consumption) (Estonia—Oil shales)

UL'YANOV, I.A.; ISTOMIN, L.I.; NOVIKOV, D.T.; SOLDATENKOV, A.P.

Introduction of electronic computers into coal supply planning.
Ugol' 39 no.11:45-48 N '64. (MIRA 18:2)

ISTOMIN, L.I., inzh.

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reorganization of traction systems. Trudy MIIT no.130:180-197
'60. (MIRA 14:3)

(Railroads--Equipment and supplies)
(Locomotives--Fuel consumption)

ISTOMIN, L.I.; POPOV, V.M.

Problems of districting in the utilization of fuel as exemplified by
the European part of the U.S.S.R. Trudy IGI 16:439-451 '61.
(MIRA 16:7)

(Fuel)

ISTOMIN, L.I.; POPOV, V.M.; SEMENOV, L.V.

Economic effectiveness of the use of gaseous fuel in electric power
plants. Trudy IGI 16:452-457 '61. (MIRA 16:7)
(Electric power plants—Fuel consumption) (Gas as fuel)

POPOV, V.M.; ISTOMIN, L.I.; SOLOV'YEV, N.A. .

Technical and economic effectiveness of the conversion of a foundry
boiler room from solid to gaseous fuel. Trudy IGI 16:458-466 '61.
(MIRA 16:7)

(Boilers) (Gas, Natural)

SHUBNIKOV, Aleksey Kuz'mich, doktor tekhn. nauk; ISTOMIN, Lev Ivanovich, inzh.; SOLOV'YEV, Nikolay Aleksandrovich, kand. tekhn. nauk; POPOV, Viktor Mikhaylovich, kand. tekhn. nauk; SRIENYI, V.M., retsenzent; SAMUSEV, V.P., red. izd-va; SHAFETA, S.M., tekhn.red.

[Planning and linear programming of coal supplying] Planirovanie i lineinoe programmirovaniye uglesnabzheniya. Pod obshchei red. A.K. Shubnikova. Kiev, Gostekhnizdat USSR, 1962. 364 p. (MIRA 16:2)
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retsenzent; PARSHIKOV, V.A., retsenzent; KRISHTAL', L.I.,
red.; KHITROV, P.A., tekhn. red.

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electric-power supply for railroad transportation] Linei-
noe programmirovaniye v planirovani topivo- i energosnab-
zheniya zheleznodorozhnogo transporta. Moskva, Transzhel-
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So: SIRA SI-90-53, 15 Dec. 1951

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Make wider use of vine crops in the green fodder plan.
Zemledelie 4 no.11:97-100 N 156.

(MLRA 10:2)

(Caucasus, Northern--Vine crops)

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53650

Author : Istonin, M.N.

Inst : Kuban Agricultural Institute

Title : The Agrobiological Foundations of the Green Feed Crops for Cattle Under the Conditions of the Flatland Areas of the Krasnodarskiy Kray

Orig Pub : Tr. Kubansk. s.-kh. in-ta, 1957, vyp. 3 (31), 141-162

Abstract : On the basis of an analysis of published data, of the pooled experience of the front rank collective farmers, and on the basis of his own studies, the author reaches the conclusion that under the conditions of the flatland areas of the Krasnodarskiy Kray, it is necessary to group the cultures in accordance with the following outline; 1) winter cereals used as green feed; 2) perennial

Card 1/2

- 58 -

ISTOMIN, M. N., Doc Agr Sci -- (diss) "Agrobiological bases for the selection of green conveyor crops for large horned cattle under the conditions of the level portion of the Krasnodarskiy Kray." Khar'kov, 1960. 33 pp; 1 page of flowsheet; (Ministry of Agriculture USSR, Khar'kov Order of Labor Red Banner Agricultural Inst in V. V. Dokuchayev); 175 copies; free; (KL, 17-60, 161)

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SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

Istomin, M.S.

USSR / Cultivated Plants. Plants for Technical Use. M
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34736

Authors : Chikil'din, E. A.; Goldberg, G.A.; Istomin, M.S.

Inst : Not given

Title : Certain Agrotechnical Problems in Fine Fiber Cotton

Orig Pub : Sots. s. kh. Uzbekistana, 1957, No 4, 18-21

Abstract : No abstract given.

Card 1/1

85

USSR / Cultivated Plants. Plants for Technical Use, M-6
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73036.

Author : Istomin, M. S.

Inst : Not given.

Title : Leaf Removal in the Thin Fiber Cotton Plant.

Orig Pub: Sots. s.kh. Uzbekistana, 1957, No 7, 23-26.

Abstract: 40, 50, 60 and 70 kg N_{aa} were taken per 200 l of water. 200 kg of the solution was expended on 1 hectare. Spraying was done by AN-2 airplane during the period 7-16 October 1956 on the fields of a kolkhoz of the Termezskiy Rayon, Surkhan-Dar'-inskaya Oblast. The 5476-I cotton variety was cultivated. Effect of N_{aa} appeared only 20-25 days later. For treatment of 1 hectare about 40 rubles

Card 1/2

90

USSR/Cultivated Plants. Technical Plants. Oil and M
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68274

Author: Istonin, M. S.

Inst : -

Title : Removing Leaves from Fine-Fiber Cotton with
an Ammonium Solution.

Orig Pub : Khlopkovodstvo, 1957, No 8, 42-43

Abstract : No abstract.

Card : 1/1

ISTOMIN, N. N., ~~dash,~~

Unit for heating aggregates using hot water. Prom.stroi. 37 no.8:
57-58 Ag '59.

(MIRA 12:11)

(Stone, Crushed)

Istomir, N. 00

Istomir, N. Y. The tensor of moments of a system of
bound vectors, and its applications in mechanics
Prikl. Mat. Mekh. 20 (1956), 434-438 (Russian)
For any system of n bound vectors

$$\begin{pmatrix} F_1 & F_2 & \dots & F_n \\ A_1 & A_2 & \dots & A_n \end{pmatrix}$$

the author defines the moment with respect to a plane as
the sum of n products of the given vectors F_i by the
distances of their points of application from the plane.
This definition is a generalization of Monge's definition of
the moment of a system of parallel bound vectors with

THE BUILT UP THE PRESIDENT OF THE UNITED STATES
 This definition is a generalization of Moire's definition of
 the moment of a system of parallel bound vectors with
 respect to a plane (cf. Appel, Traité de mécanique ra-
 tionnelle, t. I, Tome 63, Gauthier-Villars, Paris, 1926,
 p. 43). For the coordinate planes of a Cartesian coordinate
 system $Ox_1x_2x_3$ the so defined moments are

$$S_{ij} = \sum_{\alpha} r_{\alpha}^i F_{\alpha}^j, \quad S_{ij} = S_{ji}, \quad S_{ij} = -r_{ij}^2 F_{ij}$$

Projecting these vector equations on the coordinate axes
 of the given coordinate system we obtain

$$S_{ij} = \sum_{\alpha} (x_{\alpha}^i F_{\alpha}^j - x_{\alpha}^j F_{\alpha}^i), \quad (i, j = 1, 2, 3; \alpha = 1, 2, \dots, n)$$

where $F = (F_1^1, F_1^2, F_1^3, \dots, F_n^1, F_n^2, F_n^3)$ is the Cartesian tensor (Sij) which is defined as the tensor of moments of a system of bound vectors.

1/2

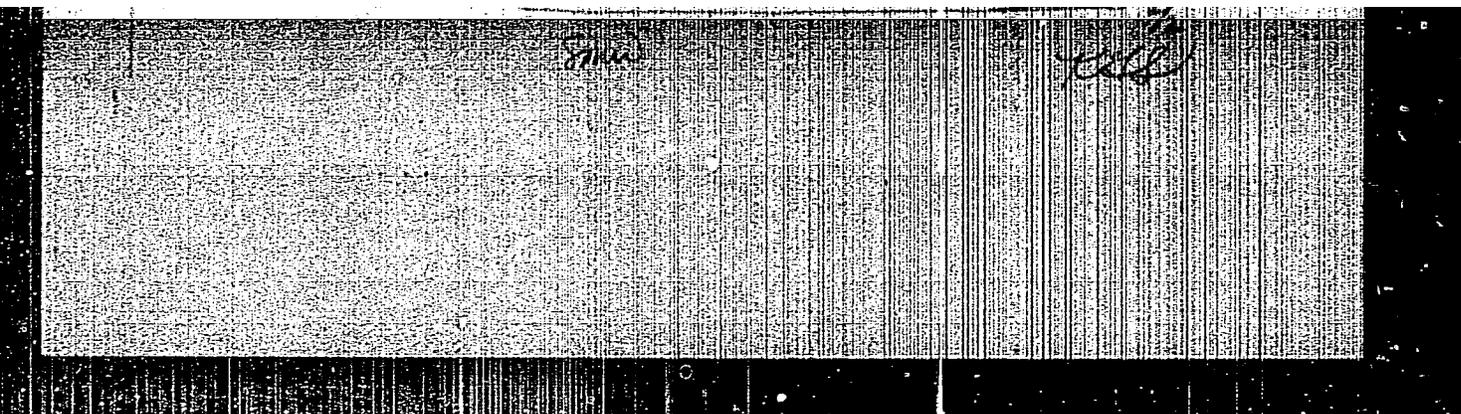
Hamilton's

The author shows that this notion of the tensor of moments can be successfully applied to the investigation of properties of the so-called Hamilton's centre of any system of bound vectors. The following concrete questions are discussed: 1) the behavior of Hamilton's centre in the case of rotation of all vectors of the system about the parallel axes through the respective points of

3

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L 8549-66 EWT(m)/EWP(j)/RM/DJ/WW SOURCE CODE: UH/0380/65/000/001/0104/0109

ACC NR: AP5012075

AUTHOR: Istomin, N. P. (Moscow); Kuritsyna, A. D. (Moscow)

51
4/5
B

ORG: none

TITLE: Using the motion of a solitary hard slider block to study friction in plas-
tics

SOURCE: Mashinovedeniye, no. 1, 1965, 104-109

TOPIC TAGS: Teflon, Nylon, polyethylene, polyamide, friction

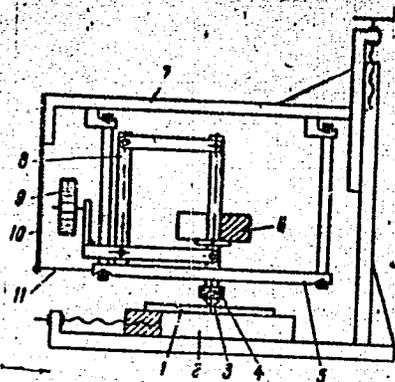
ABSTRACT: The authors describe a special instrument developed to study friction of a metal against plastics, to determine the relative magnitudes of components of the force of friction and to find the relationship between these magnitudes and the physical properties of the plastic materials studied. The device is shown in figure 1. Plastic specimen 1 is fastened to carriage 2 which moves horizontally as the drive screw turns. Slide block 3 is fastened in holder 4. Bar 5 of the four-bar mechanism is rigidly connected to cleat 6 which is suspended from bracket 7. Changeable weights 8 are used for varying the load. Counterweight 9 is used for balancing the unloaded slider suspension. The force of the friction generated between the specimen and the slider is transmitted to cleat 5, and from there through flexible coupling 11 to elastic sensing element 10. Differential resistance strain gauges are used for pick-

UDC: 539.62:678.5

Card 1/2

L 8549-66

ACC NR: AP5012075



up and electrical conversion, and the signals are then amplified and measured by a bridge circuit. Provision is made for heating the specimen and the slider for high temperature friction tests. It is shown that individual quantitative evaluation of the mechanical and adhesion components of the force of friction is possible with various materials. The relationship is found between these components and such physical properties of plastics as hardness and polarity evaluated by the contact angle. The experimental data show that the specific value of both the mechanical and adhesion components of the force of friction decreases with an

increase in temperature for the polymer materials tested. The numerical value of the mechanical component for Teflon, capron and P68 polyamide is approximately equal to the hardness when the indenter is held under a load for 10 seconds. The numerical values of the adhesion component for Teflon, capron and WD polyethylene are inversely proportional to the respective contact angles. Orig. art. has: 7 figures, 1 table.

SUB CODE: HT,AS/
jw

SUBM DATE: 17Oct64/

ORIG REF: 002/

OTH REF: 001

Card 2/2

L 24052-66 EWI(d)/EWI(m)/ENP(v)/ENP(i)/ENP(l)/ENP(h)/ENP(j) IIR(d) RM
ACC NR: AP6011255 (A) SOURCE CODE: UR/3413/66/000/006/0096/0096

39
B

INVENTOR: Tamruchi, O. V.; Remizov, G. K.; Istomin, N. F.

ORG: none

TITLE: Machine for the mechanical testing of rubber samples and similar elastic materials. Class 42, No. 179983

SOURCE: Izobreteniya, promyshlennyye obratzyy, tovarnyye znaki, no. 6, 1966, 96

TOPIC TAGS: rubber, elastic deformation, cyclic test, tensile test, ~~test stand~~, ~~test method~~ *laboratory instrument*

ABSTRACT: An Author Certificate has been issued for a machine for the mechanical testing of rubber samples and similar elastics. The machine consists of two superposed parallel surfaces with an attachment for holding the sample. The lower surface elongates and compresses the sample through vertical reciprocating motion. To subject the sample to other types of simultaneous alternating deformation, the upper surface is capable of reciprocating horizontal motion. To provide twisting in compression and tension, the upper surface is capable of

UDC: 678.01:539.3:620.172.05:620.173.05

Card 1/2

L 24052-66

ACC NR: AP6011255

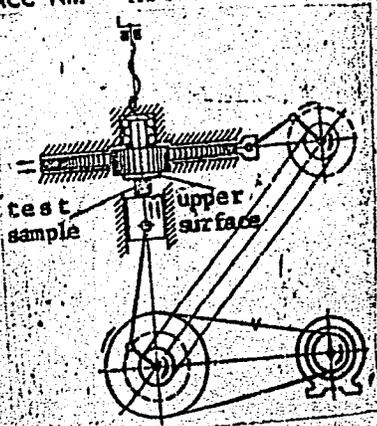


Fig. 1. Elastic-materials testing machine

reciprocating rotation. To provide alternating shear, in compression and tension, the upper surface is capable of reciprocating straight-line motion in the horizontal plane. Orig. art. has: 1 figure. [LB]

SUB CODE: 13, 14// SUBM DATE: 27Nov61

Card 2/2 dda

SOV/124-58-7-7353D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 6 (USSR)

AUTHOR: Istomin, N. V.

TITLE: On the Theory of Localized Vectors in Mechanics (K teorii svyazannykh vektorov v mekhanike)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Physical and Mathematical Sciences, presented to the MGU (Moscow State University), Moscow, 1958.

ASSOCIATION: MGU (Moscow State University), Moscow.

1. Mathematics--Theory

Card 1/1

USTAVSHCHIKOV, B.F., kand. khim. nauk, dots., red.; ISTOMIN,
N.V., kand. fiz.-mat. nauk, dots., red.

[Authors' abstracts and theses of papers presented at
the 14th Scientific Conference of the Yaroslavl Tech-
nological Institute held in 1962] Avtoreferaty i tezisy
dokladov. I Yaroslavl', M-vo vysshego i srednego spetsial'-
nogo obrazovaniia RSFSR, 1962. 103 p. (MIRA 17:3)

1. Yaroslavl'. Tekhnologicheskii institut. Nauchnaya kon-
ferentsiya. 14th, Yaroslavl', 1962.

ANDREYEVSKIY, N.A.; BARANOV, S.M.; VANSHEYDT, V.A., professor, doktor
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~~ISTOMIN, S.M.~~ KATS, A.M. [deceased]; KOLLEROV, L.K.; LEVIN, M.I.;
NIKITIN, M.D.; ROZHDESTVENSKIY, V.V.; GOFMAN, Ye.K., redaktor izda-
tel'stva; POL'SKAYA, R.G., tekhnicheskij redaktor

[Diesel engines; a handbook for designers] Dizeli; spravochnoe posobie
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ry, 1957. 442 p. (MLRA 10:10)
(Diesel engines)

ISTOMIN, Pavel Aleksandrovich; NAYDENKO, O.K., kand. tekhn. nauk, dots.,
retsenzent; LUR'YE, I.A., kand. tekhn. nauk, starshiy nauchnyy
sotr., retsenzent; PETROV, P.P., nauchnyy red.; VASIL'YEVA,
N.N., red.; KOROVENKO, Yu.N., tekhn. red.

[Kinematics and dynamics of piston-type internal combustion
engines with combined cycles; generalized method for analyzing
crankgears of engines] Kinematika i dinamika porshnevykh DVS s
kombinirovannymi skhemami; obobshchennyi metod analiza krivo-
shipno-shatunnykh mekhanizmov dvigatelei. Leningrad, Gos.
soiuznoe izd-vo sudostroit. promyshl., 1961. 303 p.

(MIRA 15:2)

(Gas and oil engines)
(Crankshafts and cranks)

ISTOMIN, Pavel Aleksandrovich. Primal uchastiye ALFEROVA, N.V.,
kand. tekhn. nauk; NEBESNOV, V.I., doktor tekhn. nauk,
prof., retsenzent; NAYDENKO, O.K., kand. tekhn. nauk,
dots., retsenzent; KRASOVSKIY, O.G., nauchn. red.;
GOLUBEVA, N.P., red.; SHAURAK, Ye.N., red.

[Dynamics of marine internal combustion engines] Dinamika
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dostroenie, 1964. 287 p. (MIRA 18:2)

10/10/1955
SEMEVSKIY, V.V., kandidat tekhnicheskikh nauk [deceased]; ISTOMIN, P.G.,
inshener, retsenzent; BYCHKOV, D.V., doktor tekhnicheskikh nauk,
professor, redaktor; POPOVA, S.M., tekhnicheskiiy redaktor.

[Dynamic calculation of building cranes] Dinamicheskii raschet
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(Cranes, derricks, etc.)

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Probl. atom. 4:15-19 '58. (MIRA 13:6)
(NERVOUS SYSTEM--DISEASES) (GUMS--DISEASES)

ZHUKOVA, A.P., rukovoditel'; POPOV, I.A., rukovoditel'; RYKOVA, Z.L.,
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DZHIMSHLEYSHVILI, Sh.P., starshiy nauchnyy sotrudnik; DMITRIYEV,
G.V., starshiy nauchnyy sotrudnik; ZHURAVKOV, M.V., starshiy
nauchnyy sotrudnik; ISTOMIN, P.S., starshiy nauchnyy sotrudnik;
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starshiy nauchnyy sotrudnik; PUGINA, N.I., starshiy nauchnyy
sotrudnik; BOYKOV, M.A., otvetstvennyy red.; BEL'KE, G.V.,
otvetstvennyy red.; KLEYMENOV, F.N., otvetstvennyy red.;
SMOLDYREV, A.Ye., otvetstvennyy red.; SHARAYEV, A.N., otvetstven-
nyy red.; BUTAZOV, V.V., tekhn.red.; SABBITOV, A., tekhn.red.

[Progressive practices and new equipment] Poredovoi opyt i novaya
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1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.
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nosti SSSR (for Zhukova, Popov, Rykova, Arkhipov, Dzhimshleyshvili,
Dmitriyev, Zhurakov, Istomin Kurbatov, Metlina, Pugina)
(Coal mines and mining)